Abstract of the Disclosure

The present invention provides a client-server computing system capable of validating cached data having a data store, a server, a cache, a transformation engine, a cache monitor, and an object dependency mapper. The transformation engine transforms data into a format suitable for a client application based on a set of transformation rules. The cache monitor ensures that cached objects are valid when changes to data in the data store are detected by the server. The object dependency mapper automatically and continuously determines the dependencies between data in the data store and sets of transformation rules. Data in the data store is represented as a tree structure. The cache monitor determines the validity of the cached objects based on the tree structure and the dependencies between data and the transformation rules.